

LIVING BODY MATERIAL

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Abstract

PURPOSE: To obtain a simply usable curable living body material having the high compatibility with the tissue of a living body, generating no inflammation, rapidly bonding the tissue of a living body to the surface of an implant and rapidly generating curing, by using not only protein having physiological activity but also a low MW acid to cure tricalcium phosphate.

CONSTITUTION: Protein having physiological activity is one having properties such as cell adhesiveness, propagation properties, bone inducing properties, blood coagulating properties or the like and, concretely fibronectin glycoprotein, lipoprotein, a substance occurring from a tooth germ or the like are appropriately used. As a low MW acid used for curing tricalcium phosphate, citric acid or malic acid is pref. used and the amount of tricalcium phosphate in a living body material is set to 40-82.5wt.%, pref., 70-80wt.% and protein having physiological activity may be contained in an amount of 0.7-16%, pref., 1-8%.

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